SEQUENCE LISTING

<110> Kidd, Vincent J.
      Lahti, Jill M.
      Teitz, Tal

<120> A Tumor Suppressor Protein Involved in Death Signaling, and
      Diagnostics, Therapeutics, and Screening Based on This Protein

<130> 2427/1E988-US1

<140> 09/477,082
<141> 1999-12-30

<150> 60/114,308
<151> 1998-12-31

<160> 34

<170> FastSEQ for Windows Version 3.0

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tacgaatgaa ccagaccact tcctcctttt tttctgaacg atctacccgc atttcagcca   180
cagggctgac tttacccagt ccggcgggag ggaggagagg ctggtctgt gacttcagtg   240
ctgaggtttg atcaaggcaa agggaaactt cctattccca gaccctttgc aagaaagaat   300
ggcatattac ttgccgccga caggggttat tattactaaa tggagtcagt ataaatgctt   360
tccaataaag catgtccagc gctcgggctt tagtttgcac gtccatgaat tgtctgccac   420
atccctcttc tgaatggttg gaattgggca tctctgttcc tttaaacagg aaacatttct   480
tgttcgagtg agtcatctct gttctgcttt aggagtaaag tttaccctgc agttccttct   540
gtggtgaagt tttctctttc tctcggagac cagattctgc ctttacgctg gagggaagtg   600
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aaagcgcttt   670

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<211> 753
<212> DNA
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1

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aaagggtgga gcgggtgagt gcctgttgcc aaggtggcct cttcaacagg aaaccacaat      180
attttgtttt cttgacttgc tctagaaaca gggctgtggg ggtgggggaag caacttggat     240
ctgcccttct gaggacacct ctggtgctgc ctggcccagg tctcctgtgt ggtttctctc      300
tgagccgatg cctttgactt tgctactttt tcactctgag cagtctccag ttcctctgct      360
acctttttgt cctccaagct tccctgccgc ctcgaatgca gatacacgga ctcccttctg      420
tggacccgtt tggagagtcc agaagacttt atcaatccac ttttttttct ttttcatttg      480
gccctggggg ccgacggtta agtactttat tctgtcattc tgtcgaatca cgaatgccct      540
gaggtgcaca gcccctttcc cctctttcgc gtcctgaagg ggtttccttt tatgtcttcc      600
accccaccc tttcccctcc ctgccctctg tttttgttgc ccaaaaaaca agttctctaa       660
acgttttcga tgtggattcg cggaaaatta acctgcaccc gtttgcaaaa tgaacttttt      720
tttttgatc ctgtacactg gttttttaac ctt                                    753

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ttgcagtagc ctttgatgaa caagccagca aatggtactt ttcttcctta tctgaacata      180
ccatttattt tgacttagat tatattctcc tgccttttaa aaagatggac ttcagcagaa      240
atctttatga tattggggaa caactggaca gtgaagatct ggcctccctc aagttcctga      300
gcctgaacta cattccgcaa aggaagcaag aacccatcaa ggatgccttg atgttattcc      360
agagacycca ggaaaagaga atgttggagg aaagcaatct gtccttcctg aaggagctgc      420
tcttccgaat taatagactg gatttgctga ttacctacct aaacactaga aaggaggaga      480
tggaaaggga acttcagaca ccaggcaggg ctcaaatttc tgcctacagg tgggtggaaa      540
ctcccattgt gggactggga ggtgtgggtt gaatggacag cctctgagct gattggggct      600
ttttttttgtg gtaccctgcc tagtgcctgg gaacccagca gtgccacaat tctaaagctt     660
ctacagaaga cagtagtgcc ttggtggtcc tgctaaaggc tgtaaaactt agcttctccc      720
caccctagag agagtgggta aacaaaggcg tgagagagaa accaacattc agtatcactt      780
gggaggcttt gggaagatgt cccaccggag ccagattaag aaatttaggg gccttatata      840
taattctata gaaatgctaa gaccataaaa taaaaattt                            879

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       <211> 659
       <212> DNA
       <213> Human

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cattactggc tttatgttga gggtggcctt tgggatccga gccccctgtg gctccatata      180
tcacatggga cttatttggc caagatttct aaagtgtctc catttcccaa ccacaaaggg      240
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ggccacaatt ctaagcttct acagaaaaga cagtagtgcc ttgggtggcc tgctaaaggc      420
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2

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tgtaaaactt agcttctccc caccctagag agagtgggta aacaaaggcg tgagagagaa        480
accacattca gtatcacttg ggaggctttg ggaagatgtc ccaccggagc cagattaaga        540
aatttagggg ccttatatat aattctatag aaatgctaag accataaaat aaaaatttat        600
ttttcaaagt gaaacattac ttagaggtat gctgaagtta taatagagtt tttctaagt        659
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        <210> 5
        <211> 448
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ccagaaaaca tggaatcgct tccctagtag cctgctggct gtgagagacc agcagaaact        120
gtcagaaact tgggaagcaa gggcaggtcc ttggttggag aaattggaaa ttaaaaaaaa        180
aaatctaatc taaaaaccag tagggctcaa tcagattcca actttatttc tcctcctctt        240
acaacctgct ggatattttc atagagatgg agaagagggt catcctggga gaaggaaagt        300
tggacatcct gaaaagagtc tgtgcccaaa tcaacaagag cctgctgaag ataatcaacg        360
actatgaaga attcagcaaa gtaccgcaat ttcctatgtt ttaacgcagc ataggtcaga        420
agggggcctg cgcagctcga taatctgg                                           448
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        <210> 6
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        <212> DNA
        <213> Human

        <400> 6
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cccgcctcta ctaagttttg atagctggca aaatcggcta ccatatcaca ggtgttttta         60
gtcaactgtt gttcgggggt accctttgcc ttatctgagg agagaagcag cagccttgaa        120
ggaagtcctg atgaattttc aaatgttagt taatttacta tctggtacct gcatgtgttc        180
tcccttcagc cttctaccac atgcacatct taacgtgcct gctctact                     228
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        <210> 7
        <211> 177
        <212> DNA
        <213> Human

        <400> 7
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aatgacaatc tcggactctc caagagaaca ggatagtgaa tcccaggtag cacggaaaac        120
ctccaaatcc ttttttttac attacattac agattctagt tttttaattt gttagct           177
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        <210> 8
        <211> 784
        <212> DNA
        <213> Human

        <400> 8
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aatattaata tatgtgcaaa gtgctcagga ggcccaggta ttgggacact gactttacaa         60
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3

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cgatggggca gaagtctgag aggtcctgtg tgaaggaaat aggtagaaac tagttcttcg      120
aggaaacgac cccgagttgg ggtggtgcaa tggaaagcaa gtcctcttac tagggagttg      180
tttgtttaca tctctagtgt ttgacccaca gagtcagctc ctgggttggg ttttttgtaat     240
ccagactttg gacaaagttt accaaatgaa aagcaaacct cggggatact gtctgatcat      300
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aggtaaagaa cattcttata catttatcag tttcctgctt tttttaaaaa ttaatttttt      600
aaataaaagt aatgtatgta taaatataaa atatcaaatc ttactaaaag acataatgaa      660
aagcagtaat aagctttgtt ttgaattcag ctaaatgcat agcgcttctg tggaatgtat      720
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gctg                                                                   784
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        <212> DNA
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cttcattttg agatcaagcc ccacgatgac tgcacagtag agcaaatcta tgacattttg      180
aaaatctacc aactcatgga ccacagtaac atggactgct catctgctg tatcctctcc       240
catggagaca agggcatcat ctatggcact gatggacagg agccccccat ctatgagctg      300
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gagcaaccct atttagaaat ggatttatca tcacctcaaa cgagatatat cccggatgag      480
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ctatctactc atattcagag cctattagaa agtgctatgt gatttagatc acattaacag      720
gtcagagaac tgtccaaggg gagtggtttc cgttcaactc taaatgtcta g               771
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        <212> DNA
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tcgcaatagt gtgtgaatag tttgcagagg cgatgatatt ctcaccatcc tgactgaagt      120
gaactatgaa gtaagcaaca aggatgacaa gaaaaacatg gggaaacaga tgcctcagcc      180
tactttcaca ctaagaaaaa aacttgtctt cccttctgat tga                        223
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        <210> 11
        <211> 5
        <212> PRT

4

<213> Human

<220>
<223> Xaa at position four is any amino acid.

<400> 11
Gln Ala Cys Xaa Gly
1   5

<210> 12
<211> 8
<212> PRT
<213> Human

<400> 12
Arg Asn Pro Ala Glu Gly Thr Trp
1   5

<210> 13
<211> 20
<212> DNA
<213> Human

<400> 13
ggtggagcgg gtgtgggtcg   20

<210> 14
<211> 23
<212> DNA
<213> Human

<400> 14
tattttgact tagattatat tct   23

<210> 15
<211> 22
<212> DNA
<213> Human

<400> 15
gcctacaggt gggtggaaac tc   22

<210> 16
<211> 20
<212> DNA
<213> Human

<400> 16

5

cccaaccaca aagggtcatg   20

        <210> 17
        <211> 21
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        <213> Human

        <400> 17
gatgacatgg tgcctgggaa c   21

        <210> 18
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        <400> 18
ttctcctcct cttacaacct g   21

        <210> 19
        <211> 22
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        <400> 19
ttcagcaaag taccgcaatt tc   22

        <210> 20
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        <400> 20
tttgccttat ctgaggagag a   21

        <210> 21
        <211> 23
        <212> DNA
        <213> Human

        <400> 21
tcaaatgtta gttaatttac tat   23

        <210> 22
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        <400> 22

tcccgggttt tcccgagggg gag   23

        <210> 23
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        <400> 23
tcacaggtag cacggaaaac c   21

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        <211> 22
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        <400> 24
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        <210> 25
        <211> 20
        <212> DNA
        <213> Human

        <400> 25
gatgcaggtg ggcggggctc   20

        <210> 26
        <211> 23
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        <213> Human

        <400> 26
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        <210> 27
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        <400> 27
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        <400> 28

gtgaatagtt tgcagaggcg at   22

        <210> 29
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        <400> 29
tagggattc ggagattgcg a   21

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        <212> DNA
        <213> Human

        <400> 30
cgtatatcta cattcgaaac ga   22

        <210> 31
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        <212> DNA
        <213> Human

        <400> 31
tagggattt ggagattgtg a   21

        <210> 32
        <211> 25
        <212> DNA
        <213> Human

        <400> 32
ccatatatat ctacattcaa aacaa   25

        <210> 33
        <211> 21
        <212> DNA
        <213> Human

        <400> 33
tagggactc ggagactgcg a   21

        <210> 34
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        <400> 34

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